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SECURITY INFORMATION
CENTRAL INTELLIGENCE AGENCY

REPORT

CD NO.

50X1-HUM

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COUNTRY German Democratic Republic

DATE OF INFORMATION 1951

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JULY 1951 MONTHLY REPORT OF THE BRANDENBURG/HAVEL STEEL AND ROLLING MILL

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I. MONTHLY REPORT

Number of Employees at the End of July

1951	Male	Female	Total
Total (not including home workers)	2,305	564	2,869
Total plant employees (not including apprentices)	2,183	443	2,626
Actual production workers	1,916	268	2,184
Apprentices	80	29	109

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1950*	Male	Female	Total
Total (not including home workers)	150	15	165
Total plant employees (not including apprentices)	119 [sic]	15	134
Actual production workers	123	11	134
Apprentices	--	--	--

[*Document does not indicate whether this is July 1950 or a 1950 monthly average.]

Reasons for Nonfulfillment of Planned Quota

A disproportionately large number of furnace repairs were needed during the month. Because of the new organization, it was difficult to complete the work. The training of qualified workers could not keep up with the rapid expansion of the plant, and there is a general shortage of highly qualified employees. The work was also slowed up by a high rate of absenteeism (an average of 9 percent were out ill; by the end of the month, 10.4 percent were out [ill ?]). There were difficulties in gas and steam production.

Production Orders and Plant Output According to Plans

Production Orders

		For July 1951		For 3d Quarter 1951		For 1951	
		Quantity (tons)	Value (DM)	Quantity (tons)	Value (DM)	Quantity (tons)	Value (DM)
Siemens-Martin Steel	B*	34,500	4,416,000	108,500	13,888,000	385,000	49,280,000
	W**	34,500	3,519,000	108,500	11,067,000	373,000	38,046,000
Semifinished products for rolling mills	B					10,000	1,070,000
	W					10,000	1,100,000

Plant Output of Siemens-Martin Steel

	July 1951		Third Quarter 1951		Since Beginning of 1951		July 1950	
	Quantity (tons)	Value (DM)	Quantity (tons)	Value (DM)	Quantity (tons)	Value (DM)	Quantity (tons)	Value (DM)
B	28,560	3,655,680	28,560	3,655,680	167,430	21,451,040	1,013	129,664
W	28,560	2,913,120	28,560	2,913,120	167,413	17,076,126	1,013	103,326

* B - Gross production, in tons and in standard values

** W - Goods production, in tons and in sales price of goods

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II. RAW MATERIAL CONSUMPTION

Pig Iron	Percent of Total Charge	Tons	Kg per Ton of Liquid Steel
Steel pig	8.81	3,134	98.5
Spiegeleisen	1.94	691	21.7
Basic Bessemer pig	0.05	17	0.5
Scrap Iron			
High-grade melting scrap	60.36	21,462	674.8
Plate and melting waste	4.76	1,691	53.2
Steel scrap	4.20	1,490	46.8
Casting waste	1.68	596	18.7
Scrap iron	2.96	1,051	33.0
Drillings	9.22	3,279	103.1
Waste ingots	5.00	1,778	55.9
Materials Added			
Carbon ferromanganese	0.37	132	4.1
Ferrosilicon 45 percent	--	--	--
Ferrosilicon 75 percent	0.35	125	3.9
Aluminum	0.02	6	0.3
Roll scale	0.25	100	3.1
Additives to the Charges			
Burnt lime		1,789	56.2
Limestone flux		105	3.3
Electrode carbon		52	1.6
Anthracite		1,143	35.9
Refractory Materials			
Magnesia limestone		1,344	42.3
Sintered magnesite		12	0.4
Magnesite brick		148	4.6
Magnesite mortar		20	0.6
Fireproof clay brick		172	5.4
Fireproof clay mortar		--	--

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	Percent of Total Charge	Tons	Kg per Ton of Liquid Steel
Silica brick		610	19.1
Silica mortar		150	4.7
Ladle brick		379	11.9
Taphole brick		89	2.8
Runner brick		110	3.5
Pouring-gate brick (Trichtersteine)		--	--
Brown-coal briquettes			
For production		15,259	479.8
For steam production		775	24.3
Ingot molds		1,560	49.0
Casting plates		68	2.1
Pouring gates (Trichter)		19	0.6
Power			
Electric current (in kilowatt-hours)		955,114	30.02
Steam (in kilograms)		3,610,000	113.5
Compressed air (in cubic meters)		210,500	6.6
Water (in cubic meters)		1,040,650	32.7

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III. TECHNICAL REPORT FOR JULY 1951

	Unit	Furnace I	Furnace II	Furnace III
Calender time	Hr, %	744, 100	744, 100	744, 100
Cold waiting period	Hr, %	11, 1.5	242, 32.6	113, 15.2
Operation period	Hr, %	733, 98.5	502, 67.4	631, 84.8
Hot waiting period	Hr, %	45, 6.0	41, 5.3	86, 11.6
Actual work period	Hr, %	688, 92.5	461, 62.1	545, 73.2
Number of charges	Ea	37	25	30
Average weight of charges	Ton	151.3	146.9	144.3
Average time per charge	Hr	18:03	18:27	17:40
Time for charging	Hr	8:17	8:17	7:46
Time for smelting	Hr	5:03	4:53	4:29
Time for boiling out	Hr	3:51	4:29	4:35
Time for repairs	Hr	52	48	50
Capacity of liquid steel per hour of smelting	Kg	7,355	7,203	7,175
Capacity per square meter of hearth area	Kg	147	144	143
Iron charge (pig iron and scrap)	/1/	5,598	3,673	4,329
Production of liquid steel		5,060.5	3,320.8	3,910.1

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	Furnace IV	Furnace V	Furnace VI	Furnace VII	Furnace VIII	Total
	744, 100	744, 100	744, 100	744, 100	744, 100	5,952, 100
	72, 9.7	246, 33.0	12, 1.6	120, 16.1	142, 19.1	958, 16.1
	672, 90.3	498, 67.0	732, 98.4	624, 83.9	602, 80.9	4,994, 83.9
	75, 10.1	62, 8.3	92, 12.4	130, 17.5	85, 11.4	616, 10.3
	597, 80.2	436, 58.7	640, 86.0	494, 66.4	517, 69.5	4,378, 73.6
	32	25	33	27	26	235
	152.4	144.5	155.3	152.1	148.8	149.7
	18:47	17:23	19:29	18:29	19:21	18:28
	8:48	8:24	8:22	8:49	9:06	8:28
	4:17	3:40	5:13	4:35	5:10	4:46
	4:23	4:23	5:20	4:25	4:16	4:28
	49	42	38	40	49	46
	7,389	7,485	7,235	7,512	6,763	7,265
	148	150	145	150	155	145
	4,878	3,612	5,124	4,107	3,868	35,189
	4,411.4	3,263.4	4,630.4	3,711.0	3,496.7	31,804.3

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Total charge	Ton	35,554
Production of liquid steel	Ton	31,804
Waste from casting	Ton	1,823
Waste	Ton	1,421
Actual useable production	Ton	28,560
Planned useable production	Ton	34,500
Percent of plan realized	%	82.7
Percent of total production which is useable	%	80.3
Percent of liquid steel production which is useable	%	89.7

* [This figure does not agree with the figure given under "Iron charge" for "total." The discrepancy is not explained.]

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Miscellaneous
(tons)

Total iron charge	35,189
Melting loss	3,385
Production of liquid steel	31,804

Deliveries to SAG Enterprises
(tons)

Rottstedt	4,683
Thale	2,767
Total	7,450

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